



Highway 17 Bicycle & Pedestrian Overcrossing Feasibility Study

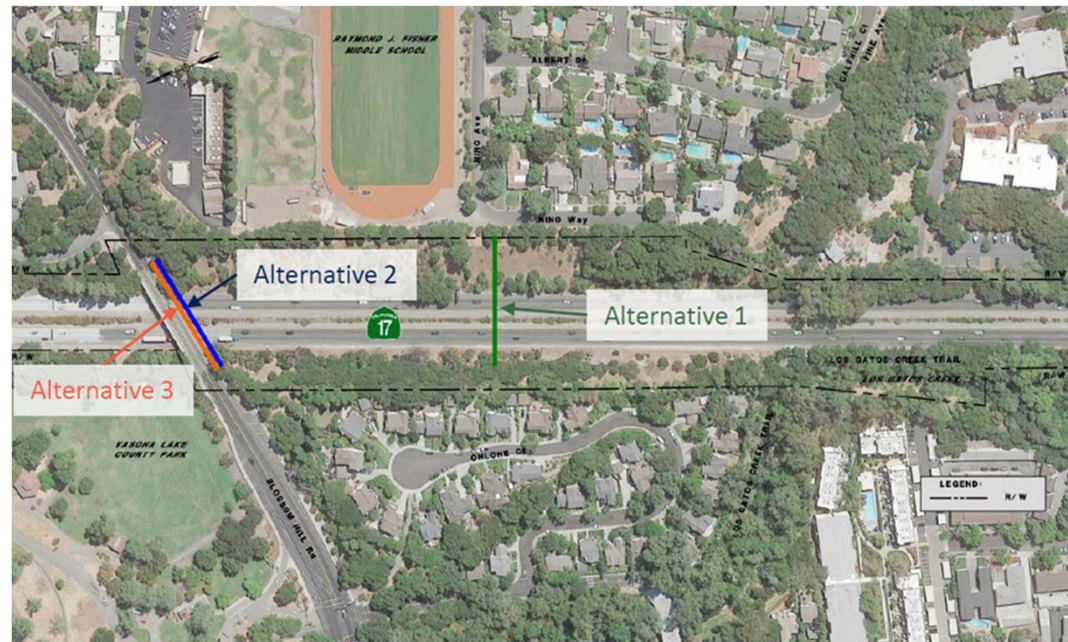
Complete Streets and Transportation Commission Meeting

August 13, 2020
7:30 AM



ORIGINAL ALTERNATIVES

- **Alternative 1** – A new bicycle and pedestrian bridge connecting to Nino Avenue
- **Alternative 2** – A separate bicycle and pedestrian bridge along Blossom Hill Road
- **Alternative 3** – Widening the existing Blossom Hill Road Bridge for bicyclists and pedestrians



EVALUATION CRITERIA

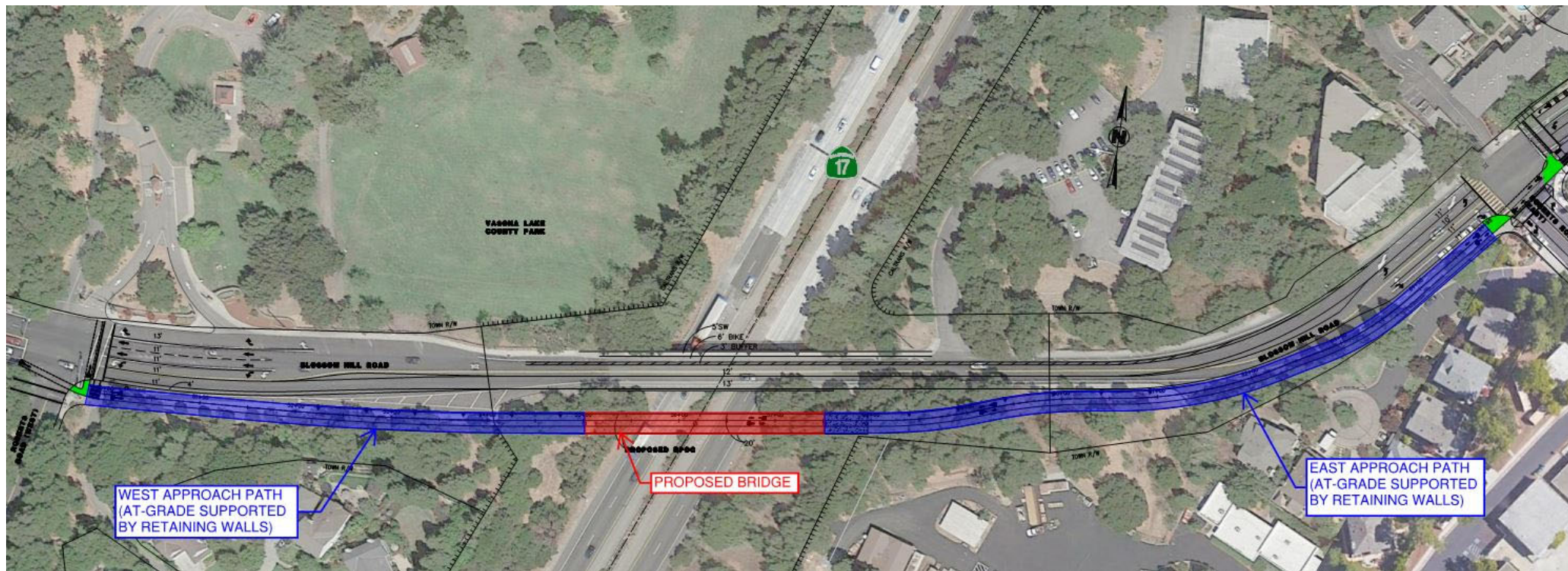


- Community Feedback
- Caltrans Coordination
- Origin/Destination Study
 - Existing travel patterns
 - Future demand
 - User Experience
- Utility Impacts
- Right of Way Impacts
- Geotechnical Considerations
- Environmental Constraints (Trees, Visual, etc)
- Cost



PREFERRED ALIGNMENT

(Separate Bridge South of Blossom Hill Rd)



USER EXPERIENCE AND CROSS-SECTION



- **Important Considerations:**
 - Bicycle and Pedestrian Counts
 - User Demographic
 - User Experience
 - Circulation Patterns and Connections to Key Destinations
 - Connectivity to Existing Facilities
- **Existing Counts along Blossom Hill Road are very high**
- **Example BPOC's for Comparison:**
 - Existing BPOC's located in the Bay Area = 10' to 12' wide
 - Several BPOC's in design = 18' to 20' wide. High counts and mode splits warrant wider sections.
 - US 101/Shoreline Blvd BPOC (Mountain View, CA)
 - I-880/Pacific Commons BPOC (Fremont, CA)
- **Project Recommendation = 16' to 20' wide. Final width to be determined during final design when more accurate information is available for design.**



BIKE AND PEDESTRIAN VOLUMES



Peak 60-Minute Volumes

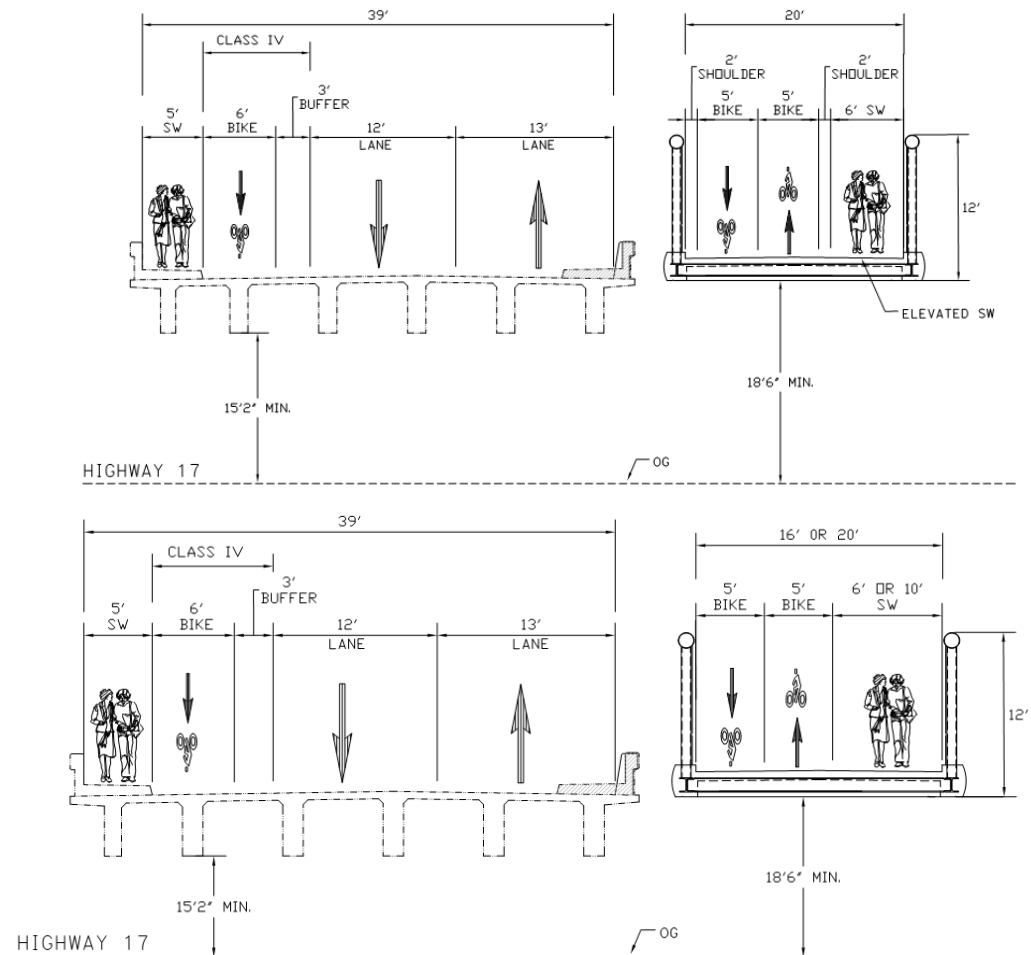
	Blossom Hill Road			Stevens Creek Trail Evelyn Avenue Bridge			Mary Avenue Bridge			Dale/Heatherstone Overcrossing		
				12' wide			12' wide			10' wide		
	Ped.	Bike	Total	Ped.	Bike	Total	Ped.	Bike	Total	Ped.	Bike	Total
Morning	87	46	133	29	137	166	24	39	63	59	139	198
Afternoon	174	84	258	30	109	139	39	44	83	36	83	119

SECTION ALTERNATIVES



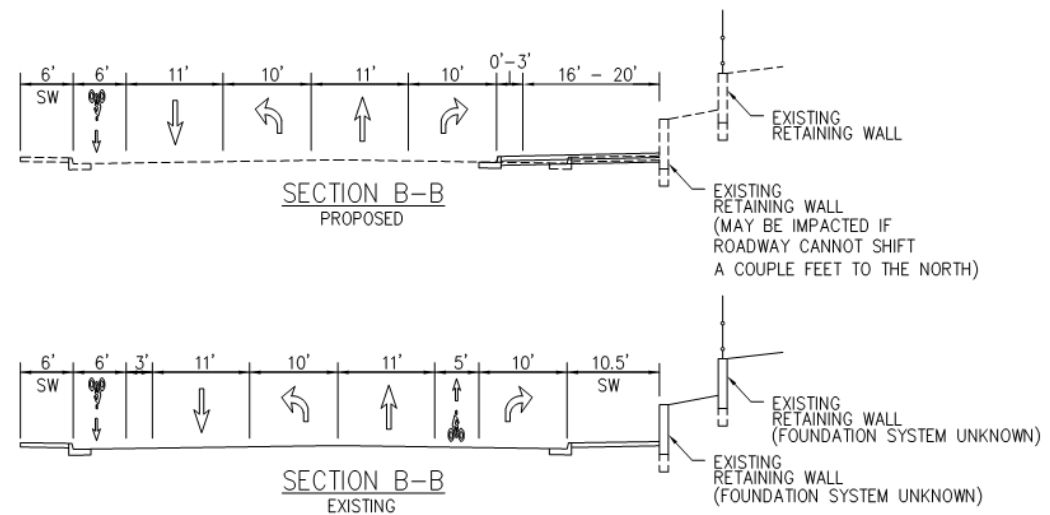
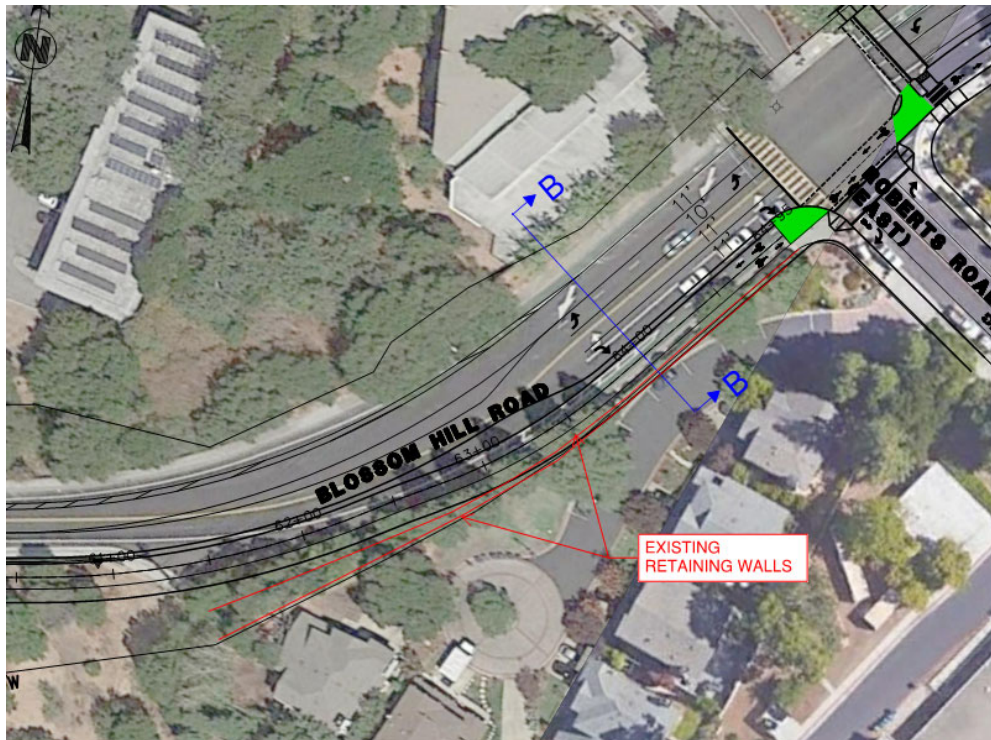
Enhanced Cross-Section (16' – 20')

- Two-way Cycle Track with sidewalk.
- Provides redundant option for WB bicyclists.
- Potential shoulder separations for enhanced bicycle experience or wider sidewalk for enhanced pedestrian experience.



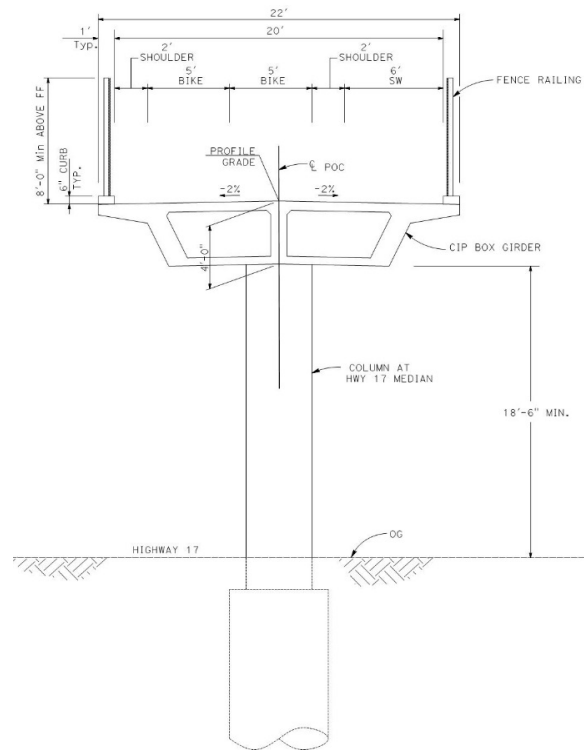
CROSS-SECTION CONSTRAINTS

(near E. Roberts Road intersection)



BRIDGE STRUCTURE TYPES AND ARCHITECTURE

Concrete Bridge



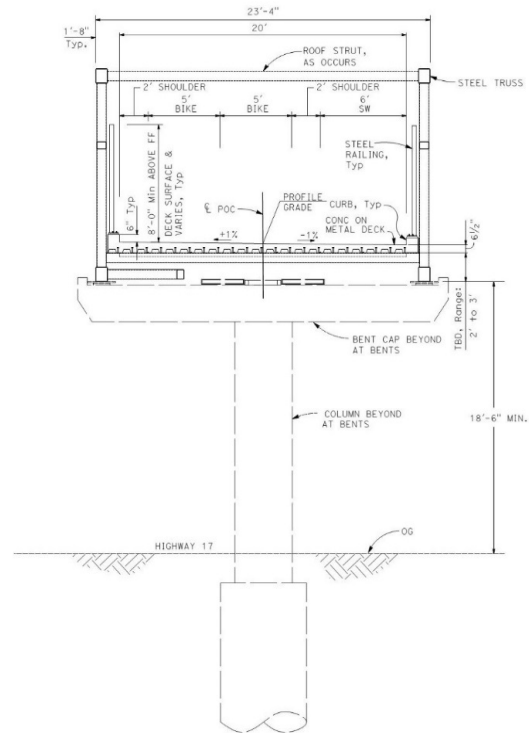
Highway 17 POC (north of Highway 85)

BRIDGE STRUCTURE TYPES AND ARCHITECTURE

Steel Truss Bridge



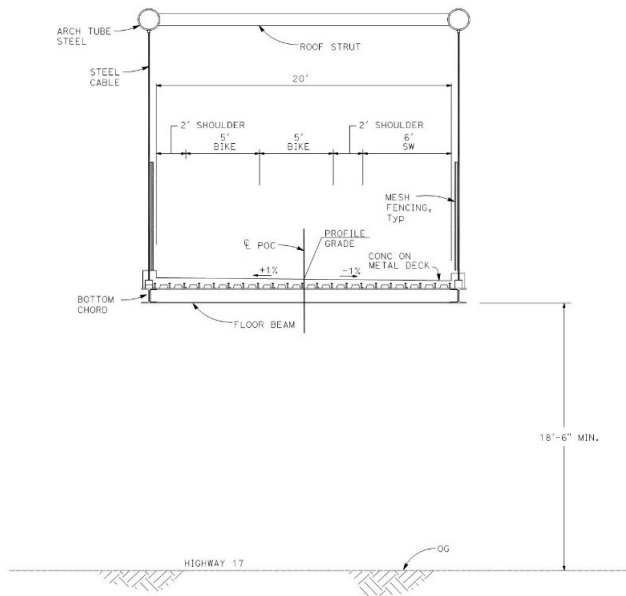
Mountain View Evelyn Avenue Bridge



Mountain View Stevens Creek Bridge

BRIDGE STRUCTURE TYPES AND ARCHITECTURE

Arch Bridge



I-80 POC (Berkeley, CA)

PRELIMINARY EVALUATION OF IMPACTS

- Utility Impacts
- Right of Way Impacts
- Geotechnical Considerations
- Environmental Constraints (Trees, Visual, etc)

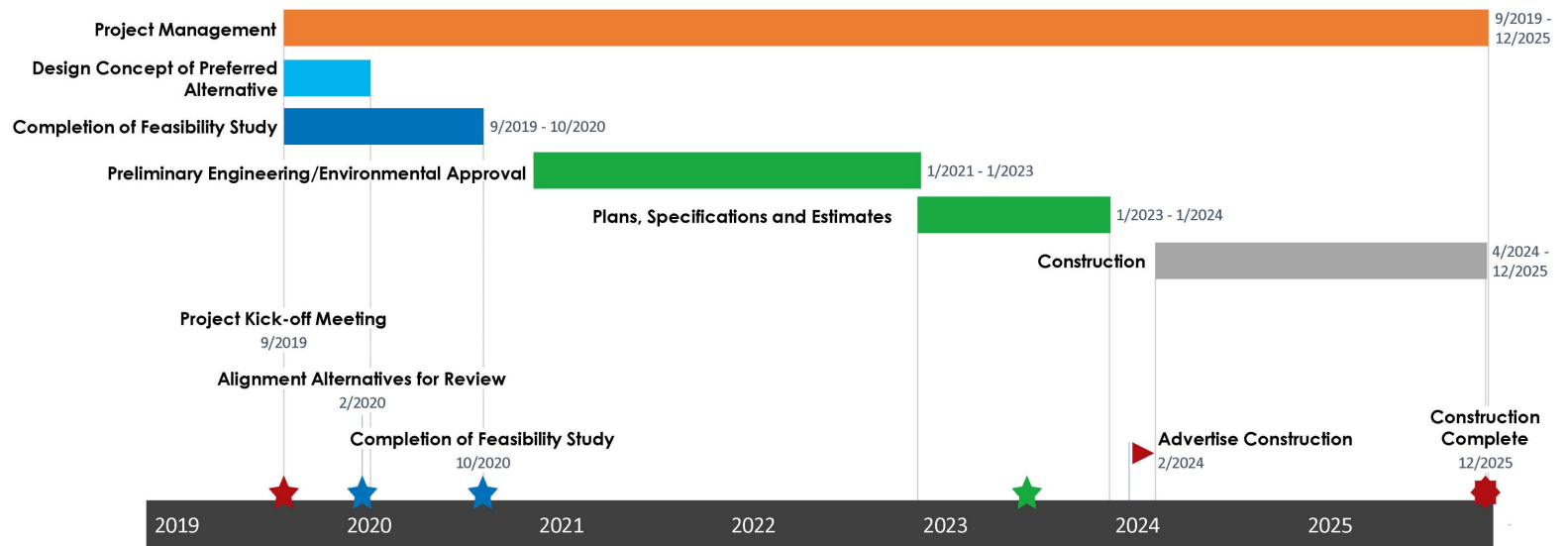


FUNDING PURSUITS



- **Preliminary Engineering and Final Design Phase**
 - Obtained \$2.75 million from VTA Measure B Program
 - \$1.20 million from Town (cumulative from project start)
- **Construction Phase**
 - Seeking approx. \$17-20 million from Active Transportation Program (ATP)
 - ATP Application deadline - September 15, 2020
 - Town will require \$1 million commitment in future (FY2023/24) budget as a non-ATP match

Project Milestones



Feasibility Study and Future Phases

Milestone	Schedule
Preliminary Evaluation	January - March, 2020
Outreach Round 1 – Initial Screening	February 2020
Town Council confirmed two alternatives	March 3, 2020
Community Meeting via Zoom	August 25, 2020 at 7:00 pm
Outreach Round 2	August 2020
Town Council considers preferred alternative	September 1, 2020
ATP Application for Construction Dollars	September 15, 2020
Final design	Early 2021 - August 2023
Advertise Construction	November 2023
Award Contract	January 2024
Construction (pending funding availability)	February 2024 – December 2025

